

selection of [the] a peripheral device icon from a command bar.

5. (AMENDED) A user interface for controlling peripheral devices comprising:

a peripheral driver which presents, upon selection of a peripheral device icon, a peripheral option display including a peripheral option user interface; and
a bypass function for de-selecting said peripheral option display.--

REMARKS

In the first Office action, the Examiner rejected claim 4 under 35 U.S.C. § 112, 2d paragraph. The Examiner rejected claims 1 and 3 under 35 U.S.C. § 102(e) as being allegedly anticipated by the "prior art" contained on page 3 of the Specification, and additionally as being anticipated by a printout of two screens from Netscape® Communicator 4.61. Claims 2 and 4-5 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Netscape® Communicator 4.61.

Page 4 of the Specification has been amended to correct a grammatical error; page 5 of the specification has been amended to conform the language to that used in the claims as originally submitted.

The Invention

The invention is a user interface which provides a peripheral option display directly and immediately upon selection of a peripheral device icon from a command bar on a screen display. As clearly set forth in the Specification, the usual procedure upon selection of a peripheral device icon is the immediate activation of the peripheral device without provision of a user interface. The peripheral option display of the invention allows the user to select, *e.g.*, number and selection of pages to be printed, single or duplex print, format, paper selection, *etc.* As explained

in the Specification, in order to invoke additional peripheral options, a user must go to the 'File' menu, select 'Print' or 'Print Setup' and then go to a 'Properties' dialog box - this includes at least four steps to reach the peripheral driver. The UI of the invention requires a single step.

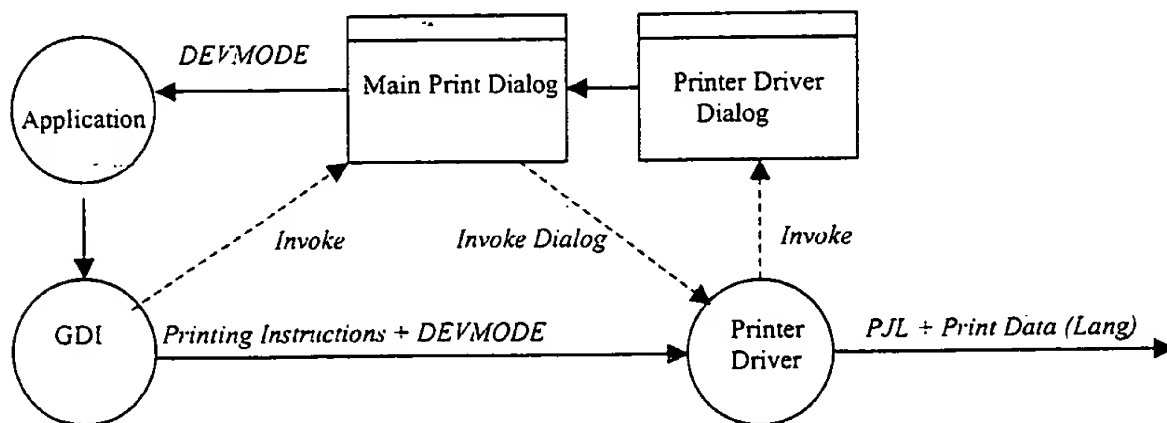
Printing from an application with the UI of the invention invokes the following sequence: The user selects a peripheral icon from the application command bar, such as 'print'. The icon, rather than initiating the usual sequence, invokes the UI of the invention, which displays the peripheral option display of the invention, which may be the full peripheral driver.

The Applied Prior Art

The Prior art applied by the Examiner includes that acknowledged by Applicant, and the conventional print command from Netscape®. These are referred to by Applicant and by those of ordinary skill in the art as Main Print Dialog. The main print dialog, *e.g.* in MS Windows, is a MS Windows standard dialog that an application running under the operating system is able to display. Some application may substitute their own dialog box, as in the Netscape® example, in favor of the MS Windows standard dialog box. Regardless of which prior art dialog box is displayed, the dialog box can only control the application side of the printing process, along with some common parameters, *e.g.*, number of copies, which are always contained in the MS Windows DEVMODE file.

In Microsoft (MS) Windows applications this is usually done by pulling down the File Menu and selecting the Print option. The application passes control to GDI. GDI displays to the user a main control print menu. In MS, this is referred to as 'Windows common dialog box for printing'. The user selects zero or more print job options that are general to most printers. In Windows 98 (Win98), Windows Me (WinMe), Windows NT (WinNT), Windows 2K (Win2K)

and Windows XP (WinXP), these include: (1) setting the number of copies, and (2) copy collation. The user may select a printer driver. In MS, the printer driver is selected from the printer pull down menu on the main control print menu. The user selects to invoke the printer driver specific print menu. In MS, the printer driver specific print menu is invoked by selecting the properties button on the main control print menu. The user selects zero or more device specific options from the printer driver specific print menu. The combined set of common and printer driver specific options are passed to the printer driver. In MS Windows, the print job options are passed through a DEVMODE data structure. The first part of the structure is device independent and defines options common to all devices. The second part of the structure is device dependent and is specific to and defined by the printer driver. The conventional scenario is depicted below:



The Claims

Claim 1 has been amended to recite that the peripheral option display of the invention is invoked from a command bar icon, and to recite that the peripheral option display includes a peripheral device user interface. This is explained on page 3 of the Specification, and does not constitute the introduction of new matter. The applied prior art does not provide a peripheral option display having a peripheral device user interface, as those terms are defined in

the specification. The Applied art provides an approval box which only asks for a number of pages to be printed. Most applications do not even provide this feature, rather, they simply output the full document using the last-used settings of the peripheral device. The prior art does not provide for the display of a dialog box allowing the user fully to select options for the peripheral device in the form of a peripheral device user interface. Amended claim 1 is allowable over the prior art of record.

Claim 3 has been amended to recite the provision of a peripheral option display, which resolves the § 12 rejection of claim 4, following selection of a peripheral device icon from a command bar. Peripheral option display, as used in the Specification and claims, refers to the full peripheral driver. Claim 3 is allowable because the prior art does not teach or suggest such a peripheral option display.

Claims 2 and 4 are allowable with their allowable parent claims.

Claim 5 has been amended long the lines of claim 3 and is allowable for the reasons set forth in connection therewith.

In light of the foregoing amendment and remarks, the Examiner is respectfully requested to reconsider the rejections and objections stated in the Office action, and pass the application to allowance. If the Examiner has any questions regarding the amendment or remarks, the Examiner is invited to contact the undersigned.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any over-payment to Account No. 22-0258. Applicant provisionally requests a one-month extension of time in which to respond if this Response is deemed to be filed outside of

the three-month Shortened Statutory Period, and authorizes the Commissioner to charge the extension fee to the above-identified deposit account.

Customer Number

Respectfully Submitted,



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I hereby certify that the attached Amendment and set of clean claims IAW 37 C.F.R. § 1.121(c) are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to:

BOX Non-Fee Amendment
Commissioner for Patents
Washington, DC 20231

Robert D. Varitz